ALL ABOUT BORAX and BORACIC ACID.

Take this home to your wife.

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LONDON, E.C.

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Compendium.

Household Uses of BORAX.

NOTE—"The paragraphs herein referred to may be found on pages 21 to 55."

For *softening water*, use Borax. (See paragraph 34.)

For *cleansing and softening the skin*, hands, face, and body generally, use Borax solution. (See par. 42.)

For *cleansing vegetables*, such as cress, celery, cabbage, lettuce, greens, broccoli, cauliflower, beans and peas, use Borax solution. (See par. 4.)

For *removing disagreeable odours* in vegetables, such as cabbage, cauliflower, peas, beans, broccoli, sprouts, use Borax in the water while cooking. (See par. 3.)

In *cleansing table-ware*, knives, forks, spoons, dishes, plates, cups, bowls and kitchen utensils generally, sinks, pans and pots, whether earthenware, porcelain, china, enamel ware, or metal, use Borax. (See pars. 1, 2, 5, 6, 19, 20, 22.)

In *cleansing glass*, ornaments, mirrors, windows, lamp-glasses, cut-glass decanters, ewers, carafes, tumblers, wine and other glasses and bottles, to give purity, cleanliness and brilliancy, without soap, use Borax. (See pars. 21, 24.)

To *cleanse marble* or alabaster ornaments, or floors, use Borax solution. (See pars. 25, 26, 27.)

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To *cleanse woodwork*, table-tops, and furniture, as well as hard wood floors, shelves, cupboards, wood ornaments to remove stains without injuring the surface, whether painted, polished, or varnished, use Borax solution. (See pars. 7, 25, 28, 29.)

For *cleansing copper kettles*, plates, ornaments, as well as other metal, use Borax. See par. 19.)

To *remove tarnish*, as well as unpleasant metallic odours from metals, whether gold, silver, copper, or plated ware, use Borax. (See pars. 19, 23.)

To *cleanse teapots*, coffee-pots, to purify, sweeten and prevent incrustation, use Borax. (See par. 19.)

To *prevent appearance of insects* and vermin, such as ants, beetles, cockroaches, bugs, &c., in cupboards, and around sinks, drains and plumbing generally, use Borax powder. (See pars. 8, 11, 12, 13, 14.)

For *sprinkling floors* and places infected with dry rot, mould or decay, or infested with insects, use Borax. (See par. 7.)

For *preventing or arresting decomposition*, dry rot, decay, sourness, mustiness, fermentation, and putrefaction, use Borax. (See pars. 20, 25.)

As an *antiseptic in washing* sinks and wash-basins, flushing drains, sprinkling around plumbing generally, use Borax. (See pars. 11, 12, 13, 31.)

For *deodorizing* stables, kennels, sinks, wash-basins, closets, drains, as well as for destroying germs, use Borax. (See pars. 11, 12, 13, 19.)

For *washing animals*, to destroy parasites and disagreeable odours use Borax. (See par. 38.

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For *destroying microbes*, germs, parasites, fungus, mould and fermentation, spawn of frogs, and other vermin, animals or insects, use Borax. (See pars. 35, 36, 41.)

For *destroying insects*, such as beetles, bugs, ants, cockroaches, and other vermin, use Borax. (See pars. 8, 10, 11, 12, 13.)

For *sprinkling furs*, woollen and other goods liable to become infested with moth and other insects, use Borax. (See pars. 7-9.)

For *washing vegetation in orchards*, gardens and greenhouses, to prevent mildew, blight, and parasitical growth, wash and spray with Borax. (See pars. 32, 33.)

For *destroying weeds* and other objectionable vegetable growth in garden and other walks, use Borax. (See par. 37.)

For *preventing ink*, gum, glue and paste from *moulding*, use Borax. (See pars. 16, 17, 18.)

For *washing wicker* baskets, chip and straw hats, as well as other straw and similar goods, use Borax. (See par. 30.)

For *washing carriages*, bicycles, autocars, and other vehicles highly varnished, without injury, use Borax solution. (See pars. 39, 40.)

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Toilet Uses of BORAX.

For *washing the face*, hands, and body, night and morning, to secure clear complexion, smooth soft skin, free from blotches, and perfectly healthy condition, use Borax. (See paragraphs 42, 43.)

In the *bath, for softening the water*, soothing and healing the skin, freeing the pores from soap, grease, and dirt which may have lodged there, as an antiseptic, to destroy disagreeable odours from perspiration, and to prevent contracting contagious disease, use Borax. (See pars. 42, 43.)

For *the complexion*, for coarse, rough, irritated or oily skin, or blotches, and to secure white, soft, clear complexion, use Borax. (See par. 44.)

For *the hair*, as a shampoo, to ensure soft hair, clean scalp, free from scurf and dandruff, use Borax. (See par. 45.)

For *the teeth*, to strengthen the gums and remove tartar and disagreeable odours. use Borax. (See par. 49.)

In *shaving*, for soothing and healing the tendency to roughness, coarseness and irritation, to prevent liability of contracting contagious disease, use Borax. (See par. 47.)

For *washing hair-brushes* and combs thoroughly, and to prevent liability of contracting contagious diseases of scalp or hair use Borax. (See par. 46.)

In *cleaning sponges*, as an antiseptic for destroying microbes and parasites, and to prevent decay in the sponge, use Borax, (See par. 48.)

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Laundry Uses of BORAX.

As a *deodorizing* antiseptic in washing all fabrics, whether vegetable or animal, use Borax. (See page 35.)

To *clean and bleach lace*, linen, muslin, flannel, ribbons and prints. Most of the dirt will soak out without rubbing, and the life of valuable fabrics will be greatly prolonged by using Borax. (See paragraphs 55, 56, 57, 60.)

To *clean coloured cotton cloth*, table and other linen with coloured borders, to restore and bring the original colour clearly out, and prevent it from running, and, at the same time, preserve the wearing quality of the article, use Borax. (See pars. 58, 60.)

To *remove*, where present, and to prevent the appearance of the *ugly grey and yellow tinge* in washing linen and other fabrics, and to give the cloth a sweet odour, use Borax. (See par. 62.)

To *avoid deterioration* of valuable fabrics by the otherwise necessary rubbing and beating, allow the linen and other fabrics to soak, before washing, in a solution of Borax. (See page 35.)

To *remove disagreeable odours* from soiled linen, bandages, napkins and other articles, use Borax. (See pars. 64, 67.)

To *avoid the danger of contracting contagious or infectious diseases* from clothing which may be inadvertently washed with other clothing infected, use Borax. (See page 35.)

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To *prevent the hands becoming rough* and cracked, and to avoid the caustic effect from soap upon the hands and clothing in washing, use Borax. (See par. 65.)

To *remove stains of coffee*, tea, fruit or wine, or to remove scorch stains, as well as to remove the most obstinate grease spots, use Borax. (See par. 63.)

To *prevent shrinking of quilts* and blankets, and to make them soft and fresh, with a sweet odour, use Borax. (See par. 59.)

As a *saving in soap*, and to soften the water, use Borax. (See par. 65.)

In *starching*, to give the fabric a beautiful enamel, and to prevent the iron from sticking, use Borax. (See par. 61.)

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Nursery Uses of BORAX.

In the *bath for cleansing*, soothing, and as an antiseptic, use Borax powder. (See page 33.)

In *washing the infant's mouth*, to ensure healthy gums, use Borax solution. (See par. 50.)

In *throat affections* and thrush, use Borax solution. (See par. 51.)

When *washing infants' clothing*, to prevent irritation and keep the clothing in a healthy condition, use Borax powder. (See par. 52.)

For *washing feeding bottles*, tubes and corks, to keep in a healthy condition, use Borax solution. (See pars. 53, 54.)

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Medical Uses of BORAX.

For *canker in the mouth or for acidity of the stomach*, dissolve a crystal of Borax in the mouth. (See pars. 69, 73, 92.)

For ulcers of the mouth—as a *mouth-wash*—use Borax solution. (See par. 74.)

For *catarrh*, apply dilute Borax solution with salt as a "spray."

For *nose irritation*, apply Borax solution locally.

For *sore, rough or irritated throat*, dissolve a crystal of Borax in the mouth. (See par. 72.)

As a *gargle* for sore throat, use Borax solution. (See par. 72.)

As a gargle for *tonsillitis*, laryngitis and pharyngitis, use Borax solution. (See par. 72.)

As a lotion for *ulcers and sores*, use Borax solution, as directed in paragraph 71.

For relieving *itching in eczema* or insect bites, apply Borax solution. (See par. 71.)

For *prickly heat*, apply Borax solution. (See par. 70.)

For *epilepsy*, apply Borax solution internally, under medical instructions.

All articles from the sick-room, *before being sent to the laundry*, should be dipped into Borax solution, to destroy disease germs. (See par. 68.)

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For *rinsing bandages*, and all other clothes from the sick-room, as a disinfectant and to destroy unpleasant odours, use Borax solution. (See par. 68.)

For *cleansing medicine glasses* in sick-room, cups, plates, dishes, knives and forks, feeding bottles, instruments, &c., use Borax solution. (See par. 68.)

For *cleansing closets*, drains, sewer pipes, use Borax solution. (See par. 68.)

For *destroying germs*, use Borax solution. (See par. 68.)

For *destroying insects*, dust powder in room. Make a paste of Borax Powder for insect bites. (See par. 71.)

For *removing odours*, use Borax solution. (See par. 68.)

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Toilet Uses of BORACIC ACID POWDER.

As an *antiseptic* toilet powder, to prevent contracting contagious or infectious diseases, use Boracic Acid powder. (See pars. 76, 77, 107.)

In solution as a douche, use Boracic Acid "Spangles." (See pars. 76, 82.)

As a *face powder*, to protect from wind, dust, and sunburn, use Boracic Acid powder. (See pars. 77, 107.)

To destroy disease and other germs, use Boracic Acid powder. (See pars. 76, 82.)

To allay the odour from excessive perspiration, use Boracic Acid powder. (See pars. 81, 101.)

For *greasy or shiny skin*, use Boracic Acid powder. (See pars. 79, 80, 104.)

As a *toilet powder*, to keep the skin healthy, use Boracic Acid powder. (See pars. 77, 98 105, 106.)

For the teeth, and to sweeten the breath, if tainted, use Boracic Acid powder in tooth powder. (See par. 78.)

As a *wash for the mouth*, to preserve the gums and remove the tartar from the teeth, use Boracic Acid solution. (See par. 78.)

For *washing sponges*, use Boracic Acid solution. (See par. 83.)

Ask your Stores for "20 Mule Team Brand Borax and Boracic Acid.

Medical Uses of BORACIC ACID.

For *abscesses and carbuncles*, use Boracic Acid solution in hot fomentation.

For *bandages and compresses*, rinse with Boracic Acid solution, before applying. (See par. 87.)

For *chafing*, powder napkins with Boracic Acid powder. (To alleviate, see par. 90.)

For *cancer*, use Boracic Acid solution as an enema, under medical instructions.

For *disinfectant*, dust with powdered Boracic Acid. (See par. 101.)

For *inflammation of the eyes and eyelids*, use weak solution of Boracic Acid. (See par. 97.)

For *eczema*, use solution of Boracic Acid for bathing. (See par. 96.)

For *burns* (see par. 88)

For *discharge from the ear*, syringe with weak solution of Boracic Acid. (See par. 95.)

For *swollen and tired feet*, use Boracic Acid powder in shoes. For excessive perspiration of feet and for disagreeable odour, dust the shoes with Boracic Acid powder. (See pars. 99, 101.)

For *proud flesh*, wash the wounds with Boracic Acid solution. (See par. 102.)

For *destroying germs*, use solution of Boracic Acid. (See par. 94.)

For *itching and chilblains*, bathe in solution of Boracic Acid. (See pars. 89, 103.)

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

For *irritation and to effect cleanliness*, use douche of Boracic Acid solution. (See par. 94.)

For *inflammation of the bladder*, use internally under medical instructions.

For *intestinal hæmorrhage*, as a disinfectant under medical instructions.

For *nose irritation*, use Boracic Acid solution locally. (See par. 91.)

For *disagreeable odours*, dust the affected parts with Boracic Acid powder. (See pars. 87, 99, 101.)

For *removing odours*, use powder or solution of Boracic Acid. (See pars. 87, 99, 101.)

For *fœtid perspiration*, wash with Boracic Acid solution, and powder with Boracic Acid. (See pars. 87, 99, 101.)

For *dandruff, scurf, skin diseases generally*, use solution of Boracic Acid. (See par. 93.)

For *stings of insects*, use solution of Boracic Acid. (See par. 100.)

For *bed sores*, dust part with Boracic Acid powder.

For *sore throat*, use Boracic Acid solution as a gargle. (See par. 108.)

For *tonsillitis, laryngitis, and pharyngitis*, spray, with solution of Boracic Acid. (See par. 108.)

For *ulcers, wounds, and sores*, use locally, by cleansing with Boracic Acid solution, and then dusting with Boracic Acid powder. (See par. 109.)

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Nursery Uses of BORACIC ACID POWDER.

For *dusting children's clothing*, to prevent chafing, use Boracic Acid Powder. (See page 45 and par. 110.)

In solution for *cleansing nursing bottles*, use Boracic Acid Powder. (See par. 86.)

In solution for *washing infants' mouths* and gums, to keep healthy, use Boracic Acid solution. (See pars. 84, 85, 111, 112.)

In *throat affections*, paint with Boracic Acid and honey, or glycerine. (See pars. 85, 112.)

Children's clothes should be washed, *to deodorize and keep in healthy antiseptic condition*, with Boracic Acid solution. (See page 45 and par. 110.)

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Medical Uses of BORACIC ACID AND GLYCERINE.

For washing wounds, cuts, *bruises and burns*, use Borated glycerine. (Page 52.)

For *chafing*, apply Borated glycerine to the parts. (See page 52.)

For washing *chilblains*, use Borated glycerine.

To *remove dandruff and scurf* after shampoo, apply Borated glycerine. (See pars. 119, 120.)

For *inflamed eyelids*, use dilute Borated glycerine. (See par. 115.)

For *eczema*, use as a lotion, Borated glycerine.

For *gangrene*, apply locally Borated glycerine.

For *cracked lips and chapped hands*, used Borated glycerine. (See pars. 113, 114.)

For *acne and ulcers of the mouth*, use Borated glycerine. (See pars. 117, 121.)

For washing *infants' mouths*, use Borated glycerine. (See page 52 and par 121.)

For *bed sores*, use as a lotion, Borated glycerine.

For *cleansing, softening, and healing the skin* when irritated, use Borated glycerine. (See pars. 113, 114.)

For painting *throat when sore*, use Borated glycerine. (See pars. 118, 121, 122.)

For *tonsillitis*, pharyngitis and laryngitis, use Borated glycerine. (See pars. 118, 121.)

For *sunburn*, use Borated glycerine. (See par. 116.)

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Medical Uses of BOROLINE. (Boracic Acid and Lanoline.)

For *burns, scalds and bruises*, use Boroline.

For *chapped hands*, use Boroline.

For *chilblains*, use Boroline.

For *eczema*, use Boroline.

For *hives*, use Boroline.

For *all skin diseases*, use Boroline.

For *insect stings*, use Boroline.

For *sore nipples*, use Boroline.

For *ulcers*, use Boroline.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Medical Uses of
BORATE OF HAZELINE.
(Boracic Acid and Hazeline.)

To cleanse wounds, cuts, *bruises and burns*, use Boro-Hazeline.

For *eczema*, use Boro Haxeline.

For all *irritations of the skin* use Boro-Hazeline.

For excessive *itching of the skin* use Boro-Hazeline.

Spray the throat, for *tonsillitis, larnygitis and pharyngitis*, with Boro-Hazeline.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

BORAX.

Borax is not an acid, for it is nearly neutral.

Borax is not a corrosive salt, like common salt.

Borax is a most wonderful antiseptic, and useful in arresting decomposition and fermentation in food stuffs, &c.

Borax is a cleansing as well as a bleaching agent, for washing purposes.

Borax is a mordant for fixing colours in cloth.

Borax is a solvent for such organic substances as albumen and fatty acids.

Borax is a harmless deodorizer and yet odourless in itself.

Borax is an emollient, softening water and soothing and allaying irritation when applied; purifying everything with which it comes in contact, and at the same time absolutely harmless to human beings and domestic animals alike, whether used externally or internally.

Borax can be procured from Chemists, Druggists, Grocers, Drysalters, Oilmen and General Stores. It is usually sold in the form of *Powdered* Borax, but, if desired, can be furnished in *Crystal* form, which will dissolve in hot water, but not so readily as *Powdered* Borax. For most purposes, Powdered Borax is preferable.

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BORAX SOLUTIONS.

BORAX SOLUTION. Add Borax (Powder) to warm water in the proportion of one heaping table-spoonful of Borax to each quart of water, shaking occasionally until the Borax is dissolved. It will thus remain in perfect condition indefinitely, and should be always kept within reach for constant use.

To replenish: From time to time add either water or Borax, as required, maintaining the above proportion.

Where the quantity of solution required is greater or less than that above-mentioned, the following table will serve as a guide. Use hot or warm water, to which add, as per the following table, either Borax or Boracic Acid in proportion given:—

For a gallon of Solution.	For a quart of Solution.	For a pint of Solution.
Of Powdered Borax add		
Four heaping table-spoonfuls.	One heaping table-spoonful.	One even table-spoonful.
Of Powdered Boracic Acid add		
Four heaping table-spoonfuls.	One heaping table-spoonful.	One even table-spoonful.
Of Boracic Acid "Spangles" add		
Eight heaping table-spoonfuls.	Two heaping table-spoonfuls.	Two even table-spoonfuls.

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Household Uses of BORAX POWDER.

BORAX and Boracic Acid in their action not only arrest decomposition and fermentation, but destroy the microbes capable of producing the decomposition, and as Borax and Boracic Acid will not discolour, soil or injure any article with which they come in contact, they can be freely used for household purposes, such as destroying germs and ridding the house of disagreeable odours, &c.

Borax and Boracic Acid will not injure the hands, but on the contrary will soften, clean, and improve their appearance.

Borax (and Boracic Acid) should at all times be kept in the house in a suitable vessel always convenient and ready for use.

1 **FOR CLEANSING COPPER.** To clean copper-ware, wet a coarse cloth in hot water, soap it well, and sprinkle powdered Borax over the surface. By rubbing the copper kettle or other ware with this cloth, it will be cleaned very easily and well.

2 **FOR CLEANING TABLE-WARE.** Forks, spoons, plate and metal articles can easily be made bright and kept clean by boiling them in hot water to which Borax has been added in the proportion of one tablespoonful to a quart of water. Even tarnish on ware will be removed by this process, and the unpleasant odour which often clings to these articles will be entirely absent and the surface much more easily polished.

3 **IN PREPARING VEGETABLES.** Much of the difficulty in thoroughly cleansing cress, celery, &c., can be obviated by the use of a

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cleansing water containing Borax in the proportion of one dessert-spoonful to the gallon of water. The vegetables will not only be perfectly cleaned and free from insects, but will be rendered more crisp and the flavour will be improved.

4 **GREENS, BROCCOLI, CAULIFLOWER, CABBAGES, BEANS, PEAS, &c.** By adding to the water in which these vegetables are to be boiled a teaspoonful of powdered Borax to the gallon, immediately before the vegetables are introduced; they will be found much more crisp and tender and will retain their natural colour without the aid of soda, *and the disagreeable odour so objectionable in many vegetables will be entirely removed.*

5 **TEAPOTS, COFFEE-POTS, &c.** By allowing a little Borax solution to boil in the coffee or teapot twice a week for fifteen minutes, the vessel will be found to be purified and sweetened materially.

6 **THE TEA-KETTLE.** A little Borax Powder if used in the water from time to time in the tea-kettle, will tend to prevent the troublesome incrustation.

7 **CARPETS.** While carpets are removed from any of the rooms in the house, the floors in those rooms should be washed thoroughly with water containing Borax, and as soon as the floor is dry it should be sprinkled with Borax Powder in such a way as to ensure the powder reaching all the crevices, cracks, spaces between the skirtings, &c. This work can be facilitated with a blower or bellows, and will destroy all larvæ and prevent insects from getting into the corners, or into the carpets, for they will not stay where Borax is present.

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8 **FOR DESTROYING INSECTS, BUGS, BEETLES, &c.** By sprinkling Borax Powder around the edge of the kitchen, pantry and cellars, the rooms will immediately be rid of insects, such as ants, cockroaches, beetles, &c.

9 **FOR DESTROYING INSECTS IN RUGS AND FURS.** Sprinkle Borax Powder in rugs and furs when packing them away for the warm weather. If kept in an airtight place they may be considered safe against moth and other insects. Borax is harmless to human beings and also to domestic animals, even if mixed with their food, but Borax is dreaded by insects, as it destroys them.

10 **FOR MOTH AND INSECTS WHICH INFEST WOOLLEN GOODS.** Dust the article which the moths are likely to infest with powdered Borax, and sprinkle the Borax freely where insects are liable to appear, when they can easily be kept at a distance.

11 **SINKS, DRAIN-PIPES, &c.** Borax Powder should be sprinkled about sinks, drain-pipes and plumbing contrivances. It is non-poisonous, non-corrosive, and in addition to destroying insects, it is an antiseptic and useful as a preservative in arresting fermentation, putrefaction and decomposition. Drain-pipes should be flooded with strong suds of Borax water at least twice a week, to prevent sourness and mustiness.

12 **SINKS AND WASH-BASINS.** Distribute Borax Powder on the floor and around the pipes and dark corners under sinks, and around wash-basins, to destroy unpleasant odours and vermin if present.

13 **CLOSETS.** Use Borax Powder as a deodorizer in flushing the drain-pipes of the closet.

14 **PANTRY AND CUPBOARD SHELVES.** When being covered with paper, if Borax

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Powder is sprinkled under the paper it will prevent the appearance of ants and other insects in the cupboards.

15 **BLACKLEAD.** In using blacklead for polishing purposes, the brilliancy is increased and the work can be more rapidly done, if Borax solution is used to moisten the blacklead, and rust is prevented in a great measure by the use of Borax solution.

16 **BOOT BLACKING.** The blacking should be mixed with Borax solution instead of other fluid, as the lustre is thus improved, and the wash will tend to prevent the leather cracking.

17 **FOR PRESERVING INK.** By adding a little Borax Powder to ink, moulding in the ink will be prevented, the colour will be made clearer and brighter, and the flow of the ink will be more regular. For a quart bottle of ink use a teaspoonful of Borax Powder.

18 **FOR PRESERVING PASTE.** If a little Borax Powder is dissolved with the paste in the proportion of one teaspoonful of Borax to the quart of water, the paste will not mould or become sour, as is the case when made with plain water.

19 **IN WASHING DISHES, PLATES, CUPS, BOWLS OR KITCHEN UTENSILS** (whether porcelain, earthenware, enamelled iron-ware or glass). These articles can be cleaned not only free from dirt, but free from the disagreeable oily feeling so objectionable, if Borax Powder is added to the water in which they are washed. There will be neither taste nor smell left behind to reveal the use of the Borax, but a freshness which nothing else will impart to the ware. Use a heaping table-spoonful of Borax to a gallon of water.

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20 **IN WASHING CUPBOARDS, SINKS, POTS AND PANS.** These, and in fact all kitchen utensils, should be systematically cleansed with a solution of Borax and water to render them sweet and wholesome. The use of Borax in this way tends to destroy all disease germs and microbes which thrive in soap-suds and grease.

21 **FOR WASHING GILTWARE,** whether gilded by fire or galvanic process. One table-spoonful of Borax to a gallon of water; rub with a soft sponge or brush, rinse with water and dry with linen. The process will be facilitated if the article is warmed before being rubbed.

22 **FOR CLEANING ENAMEL-WARE.** Borax should be used in a solution with water, which will cleanse the ware without leaving the least stain or discolouration, and the article will be rendered perfectly sweet and healthy.

23 **FOR WASHING PLATE.** For cleansing polished plate, add a little Borax to the water in which the plate is washed. The dirt will be completely removed and the surface rendered more easily polished.

24 **FOR CLEANING WINDOWS, MIRRORS, LAMP-GLASSES, DECANTERS, TUMBLERS, WINE AND OTHER GLASSES, CUT GLASS-WARE AND BOTTLES.** Wash in warm water containing Borax in the proportion of one table-spoonful to a gallon of water. The glass will be rendered clean, with a wonderful brilliancy, and will remain clean much longer than if washed with soap and water.

In washing windows do not use soap, but Borax and water; wipe dry and polish with paper. This renders the glass beautifully clear. Borax has none of the injurious

effects on the woodwork caused by ammonia. It removes the dirt from the woodwork, painted or unpainted, without affecting the woodwork or paint.

25 **HARD WOOD FLOORS, TABLES, STAIRCASES.** If greasy, add a quarter-pound of powdered Borax to each pail of water. The dirt will be removed, the colours will be brought out prominently, and the article will be rendered healthy and disinfected.

26 **FOR WASHING MARBLE.** Marble floors walls, oil-cloths, table-tops, furniture and wood-work, if washed with Borax water and rubbed with flannel or fine linen, will be wonderfully cleaned; all stains will disappear, disagreeable odours will be removed, disease and other germs destroyed, and the wood or marble left with a perfectly clean surface more readily polished than before. Hard wood floors can be washed with excellent results with a flannelette wash-cloth dipped in tepid water to which Borax has been added.

27 **TO CLEAN ALABASTER AND MARBLE ORNAMENTS.** Dissolve Borax in boiling water in the proportion of a table-spoonful of Borax to a quart of water, and apply with a cloth or soft brush, rinsing carefully afterwards and drying in the sun.

28 **PAINT WORK UNVARNISHED** can be safely and thoroughly cleansed by the use of Borax Powder in the wash water. All finger-marks and dirt will be easily removed, and the tendency to recur will not be as great as if washed in soap and water.

29 **FOR WASHING PAINT.** Borax, if used in the water for washing painted woodwork, will be found to do the work quicker and more satisfactorily than plain water and soap, and without injury to the paint.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

30 **FOR WASHING STRAW GOODS, HATS, &c.** For straw and chip hats, wicker baskets, &c., wash with solution of Borax, when the straw and wicker-work will be easily cleaned and will at once assume a brightness not attainable with soap and water, and will remain clean much longer, as there will be no soap left behind to catch dirt.

31 **AS A DEODORIZER.** Farmhouses, stables, greenhouses, sheds, kennels, sinks, washbasins, closets and drains should be cleansed and deodorized with Borax solution or Borax Powder regularly to prevent decomposition and fermentation, and to keep thoroughly healthy and free from insects and germs.

32 **GREENHOUSES, GARDENS AND ORCHARDS.** Borax tends to stop the development of microbic vegetation, blight and mildew, and destroys parasitical insects. Stalks, young leaves and buds affected should be carefully painted or carefully sprinkled with Borax solution, and Borax Powder should be used freely around the wainscoting and floors of greenhouses and other buildings to protect same from insects. (See par. 37.)

33 **KITCHENS, STABLES, SHEDS AND KENNELS.** If Borax Powder is sprinkled on the floors and places infected with dry rot, mould, decay, and insects such as beetles, ants, cockroaches, bugs and other vermin, it will arrest the dry rot and drive the vermin away. There is no danger from Borax, while a free distribution of saltpetre, corrosive sublimate, ammonia, oxalic acid, carbolic acid, copra, creosote, and chloride of lime may in some instances become injurious to animal life. Borax is not injurious, and there is no danger from poisoning when using it.

34 **AS A WATER-SOFTENER.** By adding Borax Powder in the proportion of two tablespoonfuls to each pail of water, the hardest water will be rendered soft.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

35 **TO DESTROY SPAWN OF FROGS AND OTHER ANIMALS, INSECTS, VERMIN, &c. IN PONDS.** Add to the water in the pond a small percentage of Borax, and the effect will be magical.

36 **TO PREVENT FERMENTATION.** Add to the liquid a small percentage of Borax, and fermentation need no longer be feared.

37 **FOR WEEDS IN GARDEN WALKS.** Sprinkle the ground with powdered Borax or Borax solution, being careful not to allow the Borax to fall on vegetation which it is desired to maintain.

38 **IN WASHING ANIMALS.** To protect them from parasites which either bite or annoy them, wash them with Borax water, when the dirt and disagreeable odour is not only removed, but the animals' skin is rendered much healthier, the hair will be soft and glossy, and they will be practically free from further annoyance by insects.

Nothing is more essential to the health and well-being of animals than absolute cleanliness. Borax is harmless to the animals themselves, while it destroys the parasites which irritate them.

39 **WASHING CARRIAGES, BICYCLES, AUTOMOBILES, AND OTHER VEHICLES.** By the addition of Borax to the water in which these vehicles are washed, the dirt and grease will be quickly removed without destruction of the varnish; in fact, the varnish will be benefited by the process, ordinarily.

40 **WASHING HARNESS.** Harness composition should always be softened with Borax solution, when much less composition will be required and a good polish soon produced with a very small quantity of composition, even though the harness may be wet from rain.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

41 **WATER IN PONDS.** To protect ponds from fungus, dissolve a small quantity of Borax in the water of the pond, and, although the water may have commenced to become foul, the germs of fungus will be destroyed and the water made clear.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Toilet Uses of BORAX POWDER.

BORAX SOLUTION. A solution of this necessary toilet article should be kept on the dressing table at all times, as well as in the bath-room. Use a little Borax dissolved in water night and morning when bathing the hands and face. Benefit will be noticed at once. To a quart of hot water add a heaping table-spoonful of powdered Borax, and it will be ready for use almost immediately. A cold solution can be made by adding a table-spoonful of Borax to a quart of cold water and allowing it to stand until dissolved. Water thus treated will keep for years and can be used from time to time as desired. Or, throw a teaspoonful of Borax Powder into the water ewer at night; in the morning the water will be found much improved, quite soft, and pleasing to the touch and ready for use. Borax will not stain, and it is odourless, non-corrosive, and non-poisonous.

In order to ensure a perfectly healthy condition of the skin and free the pores from soap, grease or dirt which may have lodged there, use a little Borax solution in water night and morning when bathing the face, hands, and other parts of the body; or, if more convenient, put a teaspoonful of pure Borax in the bowl or basin of warm water, and wash with this mixture, aided only by pure Castile soap, rubbing the skin vigorously with a crash wash-cloth, then drying the skin with a crash towel. Ordinary water without Borax is usually too harsh for the skin and tends to make it coarse, red and rough. The simple addition of Borax renders the water soft, the complexion clean, and the skin silky, white, and free from blotches and blemishes.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

42 **FOR THE SKIN.** Dirt, grit and grease will accumulate and remain in the pores of the skin of the face, hands, and body, notwithstanding frequent bathing with plain water and the best soap, for it is impossible to wash the dirt and grit out of the pores, and the skin will assume an unhealthy colour and become rough and harsh if allowed to remain. The presence of dirt and soap may not be easily detected, for the reason that when drying the skin with the towel, the moisture having been removed, the skin *feels clean*, but the soap is left behind in the pores, and tends to injure the skin. All this may be obviated by the addition of Borax to the bath-water in the proportion of one table-spoonful to a gallon of water, or one half-pound of Borax to a 12-gallon bath; and while it not only softens the water and makes the soap more soluble, it tends to clean the skin thoroughly, soothing all irritation and preventing any particles of soap lodging and remaining in the pores, and is wonderfully beneficial to the skin, being antiseptic, rendering the skin soft and velvety, with an exquisite freshness which nothing else will impart. Even when ordinarily bathing the face with the best soap and water, the pores of the skin are necessarily left more or less clogged with the residue from the soap and secretions from the skin. If Borax is used in the water this will be prevented. Remember that every time you wash your face, hands or body with soap, without the addition of Borax to the water, *you leave the pores of the skin more or less clogged with soap.* Avoid ammonia, soda and camphor, for they are all too severe for the skin.

43 **FOR THE BATH.** For adults, as well as children, nothing renders the bath more cleansing, soothing and antiseptic than the addition of Borax Powder to the water in the proportion of one half-pound of Borax to

12 gallons of warm water. It is harmless to the tenderest skin. (Use pure Castile soap.) During the bath the skin should be vigorously rubbed with a crash wash-cloth. After bathing, the skin should be dried carefully with a crash towel. The skin will then be found to have a delightful smoothness, a healthy glow, and will be left perfectly purified and white. The disagreeable odour from perspiration will be instantly removed, as Borax is a deodorizer and an antiseptic. In addition to all this, the liability to contract contagious disease will be avoided to a great extent.

44 **FOR OILY SKIN.** Wash the face and hands night and morning with a solution of water and Borax in the proportion of one tablespoonful of Borax to a gallon of water.

45 **FOR THE HAIR.** In cleansing the hair and scalp, use pure Castile soap and Borax solution, the proportion being one teaspoonful of Borax to a quart of water. After a thorough rubbing, wash the hair free of the soap with Borax water, when it will be found to be not only fresh and clean, but soft and glossy, and the scurf and dandruff will be entirely removed, leaving the scalp in a perfectly healthy condition. Ordinary soap and water will not do this. Always remember to add a little Borax Powder to the water with which the head is being shampooed, and after the shampoo rinse the hair in warm water to which a little Borax has been added.

46 **HAIR BRUSHES.** Hair brushes as well as combs should be keep sweet, clean and healthy by washing them in hot water to which Borax powder has been added. Borax will assist greatly in removing the dirt and act as a disinfectant, for brushes are a frequent cause of the spread of contagious diseases of the hair.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

47 **SHAVING.** A Borax solution in the proportion of one table-spoonful of Borax to the quart of water, applied to the face after shaving, soothes and heals any tendency to roughness, coarseness, irritation, and eliminates all danger of contagious disease.

48 **SPONGES.** To clean sponges, wash them in hot Borax or Boracic Acid water, which will thoroughly disinfect them and destroy any microbe germs or parasites which may be present, besides rendering the sponge deliciously sweet, clean, and bright in colour, and the presence of Borax will tend to prevent future decay.

49 **FOR THE TEETH.** To a quarter-pound of pulverised chalk add one-eighth pound of powdered Borax, one ounce of powdered myrrh, and one ounce of powdered orris root; mix thoroughly and sift through the finest bolting cloth. Or, a good powder can be made by adding equal parts of powdered Borax and gum myrrh.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Nursery Uses of
BORAX POWDER.

For children as well as adults, nothing renders the bath more pleasant, cleansing, soothing and antiseptic than the addition of a little Borax to the water, in the proportion of an even table-spoonful of Borax Powder to the gallon of water; it is harmless to the tenderest skin. Use pure Castile soap, rubbing the skin vigorously with a crash washcloth, and after bathing dry the skin carefully with a crash towel.

50 **FOR THE MOUTH.** Every infant's mouth should be washed twice a day with a piece of clean sterilised linen dipped in a solution of Borax in the proportion of one table-spoonful of Borax to a quart of water. The breath will be kept sweet and the gums perfectly healthy. This will prevent thrush.

51 **MOUTH AND THROAT AFFECTIONS, SUCH AS THRUSH.** To one ounce of honey add a teaspoonful of powdered Borax, and apply to the affected part frequently.

52 **CHAFING AND IRRITATION.** Borax should be added to the water in which all children's clothing is washed (as well as to the child's bath). Much chafing and irritation can be prevented by seeing that every article of clothing is kept in a healthy condition in this way.

53 **FEEDING BOTTLES.** After use, rinse the bottle in warm water, then fill with warm water containing Borax in the proportion of a dessert-spoonful of Borax to the quart of water, and let the bottle stand, shaking it occasionally. In case a rubber tube is being

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

used, let the tube remain in Borax solution until again needed. Borax solution will not injure it, but will thoroughly cleanse and sweeten it, and any Borax remaining will prove beneficial rather than injurious to the infant, especially if the infant's mouth is at all sore. (Boracic Acid in the same proportion can be used in place of Borax.)

54 **TUBES & CORKS OF FEEDING BOTTLES.** These are apt to become unhealthy unless thoroughly cleansed in Borax solution after being used. A better plan is to adopt a black rubber nipple, which should also be kept clean in the same way as above suggested, or if more convenient Boracic Acid can be used in place of Borax.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Laundry Uses of BORAX.

Borax used in the washing of stains, dirt or grease from linen and other fabrics (animal or vegetable) is of much assistance, and a little Borax added to the water in which the clothes are to be soaked will obviate the use of soda, which is so destructive, and the dirt will largely soak out of the cloth, or be loosened and dispersed, without rubbing; and later, without wringing, allow the cloth to boil. This treatment will give it a delicate freshness and perfection in colour which ordinary soap will never impart. It will not have the yellow and ugly dingy gray tint so objectionable, and any danger from infectious disease from the cloth will be permanently eradicated and at the same time the cloth will, in a measure, be bleached and preserved so that it will wear much longer than if treated with chemicals. For either laces, linen, or flannel goods, ribbons, prints, muslins and lace curtains, Borax is almost indispensable where good results are required, and where lace and linen of great value are to be treated and it is desirable to preserve their wearing qualities, Borax will do what otherwise necessitates excessive beating and rubbing and consequent deterioration. Borax should be used in the proportion of one heaping table-spoonful to a gallon of water. If the material to be washed is greasy or oily, the Borax will combine with the fatty matter and effect a considerable saving in the quantity of soap necessary for the washing. Many laundrymen use Borax, in the proportion of one quarter-pound to a ten-gallon boiler of water, in place of soda, claiming that the clothes are rendered much

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

whiter, the fabric is preserved and not injured, and less soap is required. At the same time the clothes are freed from the objectionable yellow tinges and the ugly dingy gray, and permanent colours are not affected. It will be noticed that the hands of the person washing will remain perfectly soft and white. There is no further need for people to be troubled with rough hands simply because they are compelled to put them in washing water, if Borax is used.

55 **TO CLEAN LACE.** If not badly soiled, immerse in a solution of Borax and water, allowing it to remain overnight. In the morning two or three gentle rinsings will leave the lace quite clean with its original colour well restored. If the lace is considerably soiled, steep in Borax solution in the proportion of a table-spoonful of Borax to a quart of water, which will remove the dirt almost entirely without rubbing. After washing, while the lace is still damp, cover with a piece of silk or cloth and iron it. It will be found to be much fresher and to look like new, having the needed stiffness.

56 **TO CLEAN MUSLIN.** A table-spoonful of Borax dissolved in a gallon of water is an excellent solution in which to allow the muslin to soak for half an hour, after which gently rub in fine white suds.

57 **RIBBONS, CASHMERES, &c.,** should be soaked for a few hours in a solution of Borax and water in the proportion of one table-spoonful of Borax to a quart of water. The dirt will almost entirely disappear or be dispersed, and can be washed out by a little rinsing; thus much rubbing will be avoided.

58 **COLOURED COTTON CLOTH.** Powdered Borax in solution with water is much better than soap for cleaning this class of goods,

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for the colour of the cotton cloth will not be affected if Borax is used. Do not use boiling water; simply warm water.

59 **QUILTS AND FLANNELS** are whiter and softer to the touch when they have been soaked and soaped in a solution of Borax and water in the proportion of a table-spoonful of Borax to the gallon of water, and the tendency of the flannel to shrink will thus be greatly lessened.

60 **TABLE LINEN AND LINEN WITH COLOURED BORDERS.** By the addition of Borax to the water in which these articles are washed, the destruction of the colour will be avoided; in fact the colour will reappear with wonderful clearness after being thus washed.

61 **STARCHING.** When Borax is used in starching, it improves the effect and gives to the linen a high polish, thus preventing it from becoming easily soiled. Use one or two teaspoonfuls of Borax to the pound of boiling starch, and stir well until dissolved; or, the Borax can be dissolved in a cup of hot water and added to the starch. As a result less starch will be necessary, the iron will not stick in ironing, and the article treated will assume an enamel-like gloss obtainable by no other preparation. For shirt fronts, cuffs, collars, muslin and other similar articles it will be found very beneficial; it will not alter the good quality of linen, nor in any way deteriorate its appearance or wearing properties, neither will it affect the washing utensils in any way.

If the Borax be added to dry starch, add a teaspoonful of Borax to each pound.

62 **DISCOLORATION.** If the fibre of the article is uninjured, the colour may quickly be restored by repeatedly dipping it in a saturated solution of Borax, followed by exposure to the sun or firelight.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

63 **FOR SCORCH AND STAINS, SUCH AS TEA, COFFEE, WINE AND FRUIT.** These can be removed from cloth by boiling the cloth in clear water to which Borax has been added in the proportion of one tablespoonful to the quart.

64 **AS A DESTROYER OF DISAGREEABLE ODOURS** Borax is invaluable. Soiled clothes washed with Borax are invariably found to be not only free from all yellow and ugly dingy gray tints so objectionable in linen and flannel, but will be found to have a sweet odour as if dried in an oven. All unpleasant odours will disappear.

65 **SAVING OF SOAP.** By adding one ounce of Borax to one pound of soap, a saving will result of at least one-half the cost of the soap and three-fourths of the labour of washing. The fabric will be much whiter and cleaner, and the hands will not suffer from the caustic effect ordinarily produced by common soap, but will be left with a soft, silky feeling.

66 **FOR FIREPROOFING.** Children's garments rinsed in strong Borax water before being ironed or dried are, in a measure, fireproof, for the cloth thus treated will not blaze, but simply smoulder, and that slowly.

67 **AS A DEODORIZER.** Borax not only renders the water soft and efficacious in removing dirt and grease, but it is a destroyer of germs and deodorizer of wonderful power, and will render liability to contagious disease in clothing from the laundry impossible. This of itself is of great value and should be carefully considered.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Medical Uses of BORAX POWDER.

68 **IN THE SICK ROOM.** For cleansing medicine glasses, cups, plates, dishes, knives and forks, feeding bottles, etc., a solution of Borax and water in the proportion of one tablespoonful of Borax to a quart of water should be at all times within reach, and from this solution all water used should be softened. Bandages and cloths of every description should be rinsed in a solution of this sort, after which the solution should be poured down the general drain and into cesspools and closets, as it acts as a perfect purifier, destroying disease germs and removing unpleasant odours arising from putrefaction. All articles from the sick room to be washed, should first be dipped in a solution of Borax water before being sent to the laundry. This destroys disease germs and renders the clothing perfectly antiseptic. Borax solution should be used in cleaning the vessels, utensils of all sorts, in the sick room, as it is most hygienic for this purpose.

69 **ACIDITY OF THE STOMACH.** This can be corrected by taking through the mouth a small pinch of powdered Borax several times a day, or by allowing a small crystal of Borax to dissolve in the mouth.

70 **PRICKLY HEAT.** Bathe frequently in Borax solution.

71 **FOR INSECT BITES OR ECZEMA.** Moisten Borax Powder to a paste and apply to the parts affected, at night, bind a fine linen bandage tightly around the parts over the paste, and keep moist with Borax solution.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

72 **FOR SORE THROAT, THROAT IRRITATIONS AND ROUGHNESS.** A small crystal of Borax, half the size of a pea, if allowed to dissolve in the mouth, will allay coughs and throat irritations. It is also good for hoarseness and tickling in the throat. Gargle with Borax solution night and morning.

73 **FOR CANKER IN THE MOUTH.** Apply a pinch of Borax to the irritated surface.

74 **INFANTS' MOUTHS.** Infants' mouths should be washed with Borax solution, rubbing the gums well. It will prevent sore mouth and keep it sweet and clean.

75 **FOR THRUSH.** Use Borax and honey or Boro-glycerine, with which the mouth and throat should be painted with a camel's-hair brush.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

BORACIC ACID.

Boracic Acid is not a liquid nor even an acid in the common use of the word; it is neither sour nor biting, it is odourless and nearly tasteless, also harmless to all fabrics and wood, as well as to human beings and domestic animals, whether applied externally or internally.

Boracic Acid is a most wonderful antiseptic and useful in arresting decomposition and fermentation in food stuff, &c.

Boracic Acid is a harmless deodorizer and yet odourless in itself.

Boracic Acid is most beneficial in soothing and allaying irritation, when applied, purifying everything with which it comes in contact.

Boracic Acid can be procured from Chemists, Druggists, Grocers and General Stores. It is usually sold in the form of "*Powdered Boracic Acid*"—but, if desired, can be furnished in either the form of ordinary "*Crystal*" or in the form of "*Spangle*" Boracic Acid.

Powdered Boracic Acid can be used for most purposes, but as it does not dissolve readily (being apt to float on the surface of the liquid), where solutions are required we strongly recommend the "*Spangle*" Boracic Acid. This form of Crystal is a guarantee of purity. It dissolves readily in warm or hot water and does not pack or cake in the package, no matter how long it is kept.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

BORACIC ACID SOLUTION. To make a solution add Boracic Acid to warm water in the proportion of one heaping table-spoonful of ordinary Boracic Acid Powder, or two heaping table-spoonfuls of "*Spangle*" Boracic Acid to each quart of water, shaking occasionally until the Boracic Acid is dissolved. It will keep in this condition indefinitely.

To replenish—Add from time to time as required either Boracic Acid or water, maintaining the proportion as above. To be kept within reach for immediate use.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Toilet Uses of BORACIC ACID POWDER.

76 **THE PERSONAL TOILET.** Boracic Acid Powder cannot be too highly recommended for use in the care of the person of either sex, ensuring as it does a most healthy cleanliness, and owing to its antiseptic properties it tends to remove the liability of contracting contagious disease.

77 **TOILET POWDER.** To ensure a perfect complexion and to keep the skin in a healthy condition, not only cleanliness is necessary, but the possibility of dirt and dust lodging in the pores of the skin must be provided against. This work is greatly aided by the use of a toilet powder consisting principally of Boracic Acid Powder. It will in a measure protect the face from wind and dust, and will not injure the complexion in any way; use a small quantity of cold-cream on the face just before dusting the powder on. This will tend to hold the powder in place. Be careful to wipe off as much of the cream as possible before dusting the powder on.

78 **THE TEETH.** In order to ensure good, healthy teeth and gums, it is necessary to rinse the mouth with Boracic Acid and water night and morning. In addition to this, all tooth-powder should be prepared with best ingredients and a proportion of Borax or Boracic Acid. Dental surgeons advocate a free use of Boracic Acid with a rather stiff tooth-brush as the best agent for preserving and strengthening the teeth and gums. The Boracic Acid solution may be added to the

tumbler of water with which the teeth are to be brushed in the ordinary way, or a good tooth-powder may be made with two parts of precipitated chalk, one part of pulverised Castile soap, and one part of powdered Boracic Acid. If Boracic Acid is regularly used in this way, the teeth will be thoroughly cleansed, as a wash to the mouth, the gums will be preserved, tartar will be destroyed, and the breath will be sweetened, whether tainted from smoking, indigestion, drinking, or stomach derangements.

79 **FOR GREASY OR SHINY SKIN.** Use equal parts of powdered Boracic Acid and chalk as a face powder.

80 **FOR THE SKIN AND WRINKLES.** After bathing the face and hands at night, use cold-cream containing Boracic Acid Powder, and massage the face and hands well. The skin will become soft, and wrinkles will be removed.

81 **EXCESSIVE PERSPIRATION.** Dust the parts of the body daily where perspiration is troublesome with Boracic Acid Powder.

82 **AS A DOUCHE.** Boracic Acid solution as a wash is extremely beneficial; no matter whether used externally, or internally as a douche. It not only thoroughly cleanses all parts of the body, but leaves them in a healthy strengthened condition in which they are not apt to be affected if disease or other germs are present, and, where germs *are* present, an instant douche with Boracic Acid solution will tend to destroy them.

83 **SPONGES.** After ordinarily washing the sponge it should be cleaned with a strong solution of Boracic Acid or Borax to destroy disease or other germs which may be lodged there. The sponge, though old, will be free of odour, sweet and clean as new, if thus treated.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Nursery Uses of BORACIC ACID.

Boracic Acid or Borax should be added to the water in which all children's clothing is washed. Much chafing and irritation can be prevented by seeing that every article of clothing is kept in a healthy condition by the use of Boracic Acid or Borax, and that Boracic Acid Powder is dusted on the clothing which comes in contact with the irritated part.

84 **THE MOUTH.** Every child's mouth (especially infants') should be washed twice a day with a piece of clean sterilised linen dipped in Borax or Boracic Acid solution. This will tend to keep the breath sweet and the gums healthy.

85 **MOUTH AND THROAT AFFECTIONS.** For thrush and similar affections in children and adults, use a teaspoonful of powdered Borax or Boracic Acid to one ounce of honey; apply frequently to the parts affected.

86 **FEEDING BOTTLES.** Feeding bottles should be thoroughly cleansed after being used by washing them in a solution of Boracic Acid and water. The tubes and corks are apt to become unhealthy unless cleansed frequently in Boracic Acid and water. After the bottle has been used, it should be rinsed in plain warm water; then fill with warm water, to which add a heaping teaspoonful of Boracic Acid spangles; it should then be allowed to stand, shaking it occasionally to dissolve the Boracic Acid. Rubber tubes or nipples should be allowed to remain in Boracic Acid solution. This will tend to sweeten them, as well as thoroughly cleanse them, and any Boracic Acid remaining in the tubes or nipples will be beneficial rather than injurious to the infant's mouth, if at all sore. In the above, Borax can be substituted for Boracic Acid, and used in the same proportion.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Medical Uses of BORACIC ACID POWDER.

ACTION. Boracic Acid is a non-irritating antiseptic. Internally it is used as a stomachic, and the absence of irritating qualities renders it an ideal intestinal antiseptic. Used in the proportion of 15 grains of Boracic Acid to one, three, or five ounces of water, for mucous surfaces generally, for injections or douches, to relieve discomfort or lesions, or to secure antiseptic cleanliness, it has no superior. Many eminent physicians have recommended the use of Boracic Acid freely in cases of disease, contagious or otherwise, and further recommend washing the mucous membrane of the system with a solution of Boracic Acid, and even mixing Boracic Acid in the food and drink, to the extent, if necessary, of six grammes during the 24 hours, for an adult. Physicians have asserted that this has had a valuable protective effect against cholera. Externally, it is largely used in general surgery.

87 **BANDAGES.** Boracic Acid, being perfectly harmless, is exceedingly beneficial as a wound dressing. Not only should the parts be thoroughly cleansed with Boracic Acid solution, but all bandages should either be washed in Boracic Acid solution (one tablespoonful Boracic Acid "Spangle" to the pint of hot water) or be dusted with Boracic Acid, prior to use. Boracic Acid not only has a direct action on the microbes of disease, but, should the Boracic Acid pass into the blood, the bacilli are destroyed, without harming the individual. Boracic Acid will render bandages perfectly antiseptic and will tend to prevent them, even when soiled, having any disagreeable odours.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

88 **FOR BURNS.** Bathe the burn with a saturated solution of Boracic Acid, say one oz., or two heaping table-spoonfuls of Boracic Acid "Spangles" in a quart of warm water. Afterwards apply absorbent gauze, with the following lotion: eight oz. lime water, eight oz. raw linseed oil, and 75 grains of thymol; or make a solution of two table-spoonfuls of Boracic Acid in a quart of hot water, and saturate absorbent cotton, or soft linen cloth, with this solution, and cover the burn. Keep the bandage wet until the inflammation is allayed, then bathe the burn with raw linseed oil.

89 **CHILBLAINS.** Chilblains, bruises, ulcers and insect stings are much benefited by an ointment made by the addition of seven ozs. simple cerate to two teaspoonfuls of powdered Boracic Acid.

90 **CHAFING.** Powdered Boracic Acid, either by itself or mixed with Lanoline, will instantly relieve the parts affected.

91 **COLD IN THE HEAD, CATARRH, &c.** A solution of a heaping teaspoonful of Boracic Acid "Spangles" to the pint of warm water, to be used only at night, by snuffing a little of this solution through the nostrils from the palm of the hand. Or a mixture of two parts pulverised sugar, one part Borax, and one part common salt, with four drops of oil of peppermint, to be snuffed through the nostrils at night from the palm of the hand.

92 **CANKER.** A pinch of Borax, or a small Borax crystal, allowed to dissolve in the mouth, will tend to heal canker speedily. Or apply a little Borax Powder to the injured surface, which will be found greatly beneficial

93 **DANDRUFF & SCURF.** The head should be washed in the morning for a few days consecutively with a mixture of Boracic Acid and glycerine added to the water.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

94 **DOUCHE.** Lack of thorough cleanliness is frequently the cause of many ailments in women. A daily douche with Boracic Acid water, composed of two heaping tablespoonfuls of Boracic Acid "Spangles" to a quart of water, is not only cleansing but absolutely essential to perfect health. Many feminine troubles may thus be avoided, while they may cause untold trouble if allowed to proceed without interruption. No day should pass without at least a douche of one quart of tepid water with two heaping table-spoonfuls of Boracic Acid "Spangles" dissolved in it.

95 **EARS.** To a cup of water add one teaspoonful of Boracic Acid "Spangles." While still warm, but not hot, put a few drops in the ear with a medicine dropper, after which dry with absorbent cotton.

96 **ECZEMA AND HIVES.** Dissolve two even teaspoonfuls of Boracic Acid "Spangles" in a pint of hot water, add a teaspoonful of starch, and boil, then use as a lotion when cool.

97 **FOR WEAK, TIRED OR INFLAMED EYES.** Dissolve one even tablespoonful of Boracic Acid "Spangles" in half-pint of water or rose-water. Apply twice a day, or oftener, by the aid of absorbent cotton wetted with the solution, or by diluting, warming and using in an eye-cup, or fill an eye-glass half full of boro-glycerine and dilute with hot water. Wash the eyes night and morning for a few days. Or add one teaspoonful of Boracic Acid "Spangles" to a tablespoonful of camphor water, dilute with water, and bathe the eyes night and morning as before mentioned.

98 **FRECKLES.** To four parts of lemon juice add two parts sugar and one part Boracic Acid, mix and bottle. Apply occasionally with crash wash cloth.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

99 **FOR THE FEET.** To remove offensive exhalations from the feet or other parts of the body, sprinkle with powdered Boracic Acid and the skin will be found to assume a healthy condition, with entire disappearance of offensive odour. Or to four parts of Boracic Acid powdered, add one part of salicylic acid and five parts talcum powder, mix and sift, and dust a little of this mixture in the shoes.

For tired and swollen feet, spread half-teaspoonful of Boracic Acid Powder inside on the sole of each shoe. Soldiers when marching and others accustomed to long, hard tramps find Boracic Acid indispensable. It enables one to keep the feet in perfect condition at all times, and should be used freely.

100 **SPIDER AND OTHER INSECT BITES.** Moisten Borax Powder until it becomes a paste and apply repeatedly, binding a fine linen bandage tightly around the parts and over the paste, and keep the paste moist with Borax solution.

101 **PERSPIRATION.** To remove offensive exhalations from the armpits and other parts of the body, sprinkle or dust with powdered Boracic Acid, and the skin will shortly be found to assume a healthy condition, with entire disappearance of offensive odours.

102 **PROUD FLESH.** Proud flesh does not grow in wounds when washed with Boracic Acid water, and Boracic Acid does not interfere with the natural process of healing of such wounds.

103 **PRICKLY HEAT.** Bathe frequently with Boracic Acid Solution.

104 **RED NOSE.** For red and oily noses and skin, try bathing every night with hot water to which has been added a little Boracic Acid "Spangle" in the proportion of a heaping table-spoonful to a pint of water.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

105 **SKIN BLEMISHES.** Wash the face with a little Boracic Acid solution instead of soap.

106 **SKIN DISEASE.** Dissolve two heaping table-spoonfuls of Boracic Acid "Spangles" in a quart of water, and apply warm to the affected parts.

107 **SUNBURN.** To prevent sunburn, wash the face, before exposing it to the sun, with a solution composed of two parts of Borax and one part of alum dissolved in warm water. Sunburns and red spots may be removed by frequent application of Boro-glycerine.

108 **SORE THROAT.** Add two even table-spoonfuls of Boracic Acid "Spangles" to a pint of hot water, gargle the throat thoroughly with this solution three or four times a day, or allow a small crystal of Boracic Acid to dissolve slowly in the mouth three or four times each day: this will tend to allay the irritation. Or to a pint of water add a tea-spoonful each of salt and Boracic Acid and use as a gargle two or three times a day.

Irritation and roughness of the throat from speaking can be allayed by allowing a small crystal of Borax to dissolve in the mouth.

109 **WOUNDS AND SORES.** Dissolve two heaping table-spoonfuls of Boracic Acid in a quart of hot water, bathe the parts freely, or use Boracic Acid solution in wetting the bandage.

Wounds in domestic animals should be thoroughly washed with a solution of Boracic Acid, which cleanses the injured parts and will be found extremely beneficial as an antiseptic.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Nursery Medical Uses of BORACIC ACID POWDER.

110 **CHAFING.** Much chafing is frequently caused to the skin by improper washing of napkins. Napkins can easily and thoroughly be cleansed with water to which Boracic Acid has been added in the proportion of one heaping table-spoonful to a quart of water, the napkins are thus made antiseptic. If, before use, they are powdered with Boracic Acid Powder, on the part next the skin, no chafing will take place, and the possibility of disagreeable odours will immediately be overcome.

111 **INFANTS' MOUTHS.** Wash infant's mouth with Boracic Acid Solution, which will prevent it becoming sore, and keep it sweet and clean.

112 **FOR THRUSH.** Boro-glycerine, or Boracic Acid and honey, should be used for painting the tonsils and throat by means of a camel's-hair brush.

Ask your Stores for "20 Mule Team Brand Borax and Boracic Acid.

BORACIC ACID AND GLYCERINE.

(Boro-Glycerine.)

PREPARATION. To ten parts of glycerine, add five parts by weight of Boracic Acid (Powder), warm, and stir until the Boracic Acid is dissolved. Bottle, and always keep handy for immediate use.

Glycerine, in conjunction with Boracic Acid or Borax, with their antiseptic properties, is an excellent remedy for many ailments. Glycerine has the power of absorbing more Borax or Boracic Acid than any other liquid, and is in itself soothing.

For washing wounds, cuts, burns or bruises, or for irritations of the skin, Boro-glycerine is beneficial; or for use in the throat, ears, or eyes, for chapped or cracked lips, as well as for rough hands, redness of skin and chilblains, Borax and Boracic Acid with glycerine are unexcelled; or, if desired, a mixture of one part of Boro-glycerine and three parts of rose-water or orange-flower water, will make a most agreeable cosmetic, which should be applied to the face, hands, and irritated spots on other parts of the body, while the skin is damp. It will be found exceedingly soothing and beneficial for infants or adults, with or without tender skins; it is entirely harmless.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Toilet and Medical Uses of BORATED GLYCERINE.

113 **LOTION FOR THE FACE AND HANDS.** Rub well in night and morning a little Borated glycerine, wiping away all surplus with a soft cloth, after which powder with Boracic Acid.

114 **LOTION FOR ROUGH HANDS.** Use Borated glycerine as above-mentioned night and morning, removing all surplus from the hands with a soft cloth. An excellent preparation may be made by adding equal parts of lemon juice and Borated glycerine, with a few drops of triple extract of violet.

115 **FOR THE EYES.** For weak and inflamed eyes and eyelids, to half an eye-glass of Borated glycerine add hot water sufficient to fill the glass. Bathe the eyes night and morning for a few days.

116 **FOR SUNBURN, RED SPOTS AND ROUGHNESS OF SKIN.** After washing the hands and face at night rub well with Borated glycerine, after which wipe the hands and face as dry as possible and powder with Boracic Acid.

117 **FOR THE MOUTH.** For the mouth in infants, wash the mouth with diluted Borated glycerine, rubbing the gums well. This will prevent soreness and keep the mouth sweet and clean.

118 **FOR THE THROAT.** Paint the throat, by means of a camel's hair brush, with Borated glycerine night and morning.

119 **FOR DANDRUFF.** The scalp should be well rubbed a few days consecutively with diluted Borated glycerine.

120 **LOTION FOR THE SCALP.** To one part of Borated glycerine add two parts of rose water. Apply to the scalp, rubbing well. This will tend to prevent both scurf and dandruff.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Nursery Uses of BORATED GLYCERINE.

121 **THE MOUTH.** Every infant's mouth should be washed twice daily with a piece of clean sterilised linen dipped in Borated glycerine, which will keep the breath sweet and the gums healthy.

122 **FOR THRUSH, THROAT AND MOUTH AFFECTIONS IN CHILDREN.** To one ounce of honey add a teaspoonful of powdered Borax. Apply to the affected parts frequently, or paint with Borated glycerine night and morning.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Having been frequently requested by our friends and correspondents to give them particulars as to some of the Trades for which Borax and/or Boracic Acid are adapted, we are pleased to append particulars of a few of the many users:—

BACON CURERS use Borax in place of salt for curing purposes.

BANDAGE MAKERS use Boracic Acid in the treatment of bandages for antiseptic purposes.

BLACKING MANUFACTURERS use Borax, which imparts additional lustre to leather, and for purifying and preventing mould.

BLACKSMITHS use Borax in welding, to dissolve the metallic oxides that coat the metals.

BLEACHERS use Borax for removing mechanical, fatty and other impurities from cotton and linen fabrics.

BUTCHERS use Borax and Boracic Acid as a preservative for fresh meat, also in sausage and pork-pie meat, in place of salt.

BUTTER CLOTH MAKERS use Boracic Acid in the treatment of the cloth for antiseptic purifying purposes.

CALICO PRINTERS AND MANUFACTURERS use Borax as a mordant, and also to give polish to materials.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

CEMENT MAKERS use Borax in the manufacture of their best cements.

CHEMISTS use Borax for hairwash, eyewash, disinfectant, emollient, teeth cleanser, and hundreds of other purposes.

CHINA MANUFACTURERS use Borax for giving a glazed surface to the ware.

COLOR MANUFACTURERS use Borax for dissolving various substances used in making paint, varnish and dryers.

CANDLE MANUFACTURERS use Borax to prevent the wick from burning too rapidly.

COPPERSMITHS use Borax for cleansing purposes and brazing.

CYCLE MANUFACTURERS use Borax in welding and in glazing frames.

COSMETIC MAKERS use Borax as an emollient, hairwash and skinwash.

DENTISTS use Borax as a dentifrice, for cleaning discolored teeth, and strengthening the gums.

DOCTORS use Borax and Boracic Acid (See below, Physicians).

DYERS use Borax for the purpose of fixing the coloring matter firmly in the fibres of the cloth, thus producing "fast" colors.

EARTHENWARE MAKERS use Borax for the purpose of giving the ware a glazed surface.

ENAMELLED WARE MANUFACTURERS use Borax in making copper and iron enamelled signs, plates, letters, and cooking utensils, as the principal ingredient in the enamel mixture, for the purpose of giving a gloss to their ware.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

FISH CURERS use Borax and Boracic Acid as a preservative in place of salt.

FORESTERS use Borax for destroying insects on plants and trees.

GLASS MAKERS use Borax for making both opal and flint metal as a foundation, and it will render glass sufficiently hard to cut ordinary glass like a diamond.

GLUE MANUFACTURERS use Borax to extract gelatine from hide clippings, hoofs, and other refuse of the tanyards.

GOLDMINERS use Borax in smelting, as it causes the mineral or metal to melt at a lower temperature.

GOLDSMITHS use Borax as a flux in melting and collecting residues, and for brazing purposes.

HARNESS MAKERS use Borax for dissolving shellac for the purpose of making a solution for imparting a glaze or high polish to leather.

HAT MANUFACTURERS use Borax for dissolving shellac used in stiffening felt hats and as sizing.

HOUSEMAIDS use Borax for cleaning, disinfecting, destroying pests (such as ants, gnats, bugs, moths, cockroaches), also for softening water, preserving, &c.

IMITATION-GEM MAKERS use Borax for the purpose of making a paste susceptible of giving a hard surface and high polish to the gem.

INK MAKERS use Borax in the manufacture of indelible inks.

IRON WORKERS use Borax in welding, as a flux in fusing, and in iron cement.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

JEWELLERS use Borax for brazing, welding, cleaning, and removing discolorations. It causes gold and other metals to melt at a lower temperature.

LACE MANUFACTURERS use Borax for rendering fabrics practically uninflammable, also for dissolving the glutinous matter on raw silk.

LAUNDRYMEN use Borax as a water-softener, and for removing spots from laces and linen, also in starch to produce an enamel-like gloss, and as a bleach.

LEATHER WORKERS use Borax as a mordant in dying sumac tanned skins with various colours, and for dissolving colors insoluble in water.

LINEN MANUFACTURERS use Borax as a stiffening agent and to give the linen a high gloss.

MACHINISTS use Borax as a solvent of grease and general cleansing agent.

MEAT PACKERS use Borax and Boracic Acid as a preservative in place of salt.

METALLURGISTS use Borax as a flux in fusing rebellious minerals and metals.

MUCILAGE MANUFACTURERS use Borax mixed with Caseine for making an adhesive substance that may be used instead of gum arabic, and also as a preservative.

OIL CAKE MAKERS use Borax in cleaning and brightening the seed.

OPTICIANS use Borax for brazing purposes and making lenses.

PAINTERS use Borax in paint to increase density, opacity, and covering power.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

PAPER MAKERS use Borax for rendering paper practically fireproof, and to give playing cards and other polished paper a high gloss.

PETROLEUM REFINERS use Borax as a water softener, for the purpose of washing the oil free from impurities after refining.

PHOTOGRAPHERS use Borax in the formation of toning baths for silver prints.

PHYSICIANS use Borax for relieving burns, scalds, sore throat, insect bites, and as hairwash, dandruff cure, etc.; and Boracic Acid for cleansing wounds, washing instruments, in treatment for influenza, and as a gargle for sore throat, as an eyewash and disinfectant; to arrest diphtheria, and for destroying microbes and bacteria, also as an antiseptic.

PIPE MANUFACTURERS use Borax for glazing and polishing purposes.

PLASTERERS use Borax for hardening plaster and rendering it comparatively fireproof.

POLISHERS use Borax for all kinds of polishing purposes.

PORCELAIN MANUFACTURERS use Borax for the manufacture of glaze required to give the ware a highly polished appearance.

POTTERS use Borax on all wares requiring a glazed or polished surface, thus changing the ware from a porous to an impervious condition.

PRINTERS use Borax in indelible inks and for cleansing purposes.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

SAFE MAKERS use Borax for fireproofing purposes.

SANITARY ENGINEERS use Borax and Boracic Acid for antiseptic purposes.

SILK MANUFACTURERS use Borax for removing the glutinous coating from silk.

SKIN RUG MANUFACTURERS use Borax in preparing skins for coloring.

SOAP MAKERS use Borax to render the soap more soft, effective and cleansing, and at the same time a greater solvent of grease.

STARCH MANUFACTURERS use Borax to impart a high gloss to cloth.

TANNERS use Borax, in causing the precipitation of soft white neutral mineral matter, which, entering the pores from the tanning solution, is advantageous in preserving the leather.

TIMBER PRESERVERS use Borax for rendering wood practically fireproof and for dissolving the sap.

TILE MANUFACTURERS use Borax for giving a glazed surface to the tiles.

VARNISH MAKERS use Borax to give hardness, prevent cracking, and give brilliant surface to the varnish.

EVERYBODY should use Borax in the bath, for it not only softens the water, but acts upon the skin in allaying irritations, and as a destroyer of disease germs of all kinds, making an ideal health wash.

Ask your Stores for "20 Mule Team Brand" Borax and Boracic Acid.

Telegraphic Address:
"Colemanite,
London."

Telephone Numbers:
5764 "Avenue."
43 "Hop."

Borax Consolidated Limited,

78, Gracechurch Street,
London, E.C.

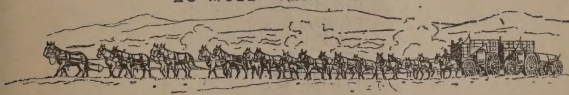
Miners of Borates,

and

Manufacturers of

Borax
(Crystal, Powder or Granulated).
Boracic Acid
(Crystal, Spangles or Powder).
Calcined Borax.
Jewellers' Borax.
Borax Glass.
Borate of Manganese.
and other
Boron Compounds.

20 MULE TEAM BRAND.



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